

## Nuclear Regulatory Commission

## § 110.23

year to any one country when the uranium or thorium is Canadian-obligated.

(c) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium or thorium, other than uranium-230, uranium-232, thorium-227, or thorium-228, in individual shipments of 1 kilogram or less to any country listed in § 110.29, not to exceed 100 kilograms per calendar year to any one country.

(d) Except as provided in paragraph (e) of this section, a general license is issued to any person to export uranium-230, uranium-232, thorium-227, or thorium-228 in individual shipments of 10 kilograms or less to any country listed in § 110.30, not to exceed 1,000 kilograms per calendar year to any one country or 500 kilograms per calendar year to any one country when the uranium or thorium is Canadian-obligated.

(e) Paragraphs (a), (b), (c), and (d) of this section do not authorize the export under general license of source material in radioactive waste.

[75 FR 44088, July 28, 2010]

### § 110.23 General license for the export of byproduct material.

(a) A general license is issued to any person to export byproduct material (see Appendix L to this part) to any country not listed in § 110.28 and subject to the following limitations:

(1) The general license in this section does not authorize the export of byproduct material in the form of radioactive waste.

(2) The general license in this section does not authorize the export of the following radionuclides:

Americium-242m  
Californium-249  
Californium-251  
Curium-245  
Curium-247

(3) For byproduct materials listed in Table 1 of Appendix P to this part, individual shipments under a general license for export must be less than the terabequerel (TBq) values specified in Category 2 of Table 1 unless a more restrictive requirement applies.

(4) The general license authorizes exports of the following radionuclides when contained in a device, or a source

for use in a device, in quantities less than  $3.7 \times 10^{-3}$  TBq (100 millicuries) of alpha activity per device or source, unless the export is to a country listed in § 110.30:

Actinium-225  
Actinium-227  
Californium-248  
Californium-250  
Californium-252  
Californium-253  
Californium-254  
Curium-240  
Curium-241  
Curium-242  
Curium-243  
Curium-244  
Einsteinium-252  
Einsteinium-253  
Einsteinium-254  
Einsteinium-255  
Fermium-257  
Gadolinium-148  
Mendelevium-258  
Neptunium-235  
Polonium-208  
Polonium-209  
Polonium-210  
Radium-223

(5)(i) For americium-241, exports under the general license to a country listed in § 110.29 must not exceed  $3.7 \times 10^{-2}$  TBq (one curie) per shipment.

(ii) For americium-241, exports under the general license to a country listed in § 110.29 that exceed  $3.7 \times 10^{-2}$  TBq (one curie) per shipment, must be contained in industrial process control equipment or petroleum exploration equipment in quantities not exceeding 0.60 TBq (16 curies) per device and not exceeding 7.4 TBq/calendar year (200 curies/calendar year) to any one country.

(iii) All exports of americium are subject to the reporting requirements listed in § 110.54(b).

(6) For neptunium-235 and -237, exports under the general license must not exceed one gram for individual shipment and must not exceed a cumulative total of 10 grams per calendar year to any one country. All exports of neptunium are subject to the reporting requirements listed in § 110.54(b).

(7) For polonium-210, exports under the general license, when contained in static eliminators, must not exceed 3.7 TBq (100 curies) per individual shipment.

(8)(i) For tritium in any dispersed form (e.g., luminescent light sources

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and paint, accelerator targets, calibration standards, labeled compounds), exports under the general license must not exceed 0.37 TBq (10 curies (1.03 milligrams)) per item, not to exceed 37 TBq (1,000 curies (103 milligrams)) per shipment, or 370 TBq (10,000 curies (1.03 grams)) per calendar year to any one country.

(ii) For tritium in any dispersed form (e.g., luminescent light sources and paint, accelerator targets, calibration standards, labeled compounds), exports under the general license to the countries listed in §110.30 must not exceed the quantity of 1.48 TBq (40 curies (4.12 milligrams)) per item, not to exceed 37 TBq (1,000 curies (103 milligrams)) per shipment or 370 TBq (10,000 curies (1.03 grams)) per calendar year to any one country.

(iii) For tritium in luminescent safety devices installed in an aircraft, exports under the general license must not exceed 1.48 TBq (40 curies (4.12 milligrams)) per light source.

(iv) The general license in this section does not authorize the export of tritium for recovery or recycle purposes.

(b) [Reserved]

[75 FR 44088, July 28, 2010]

## § 110.24 General license for the export of deuterium.

(a) A general license is issued to any person to export to any country not listed in §110.28 or §110.29 deuterium in individual shipments of 10 kilograms or less (50 kilograms of heavy water). No person may export more than 200 kilograms (1,000 kilograms of heavy water) per calendar year to any one country.

(b) A general license is issued to any person to export to any country listed in §110.29 deuterium in individual shipments of 1 kilogram or less (5 kilograms of heavy water). No person may export more than 5 kilograms (25 kilograms of heavy water) per calendar year to any one country listed in §110.29.

[75 FR 44088, July 28, 2010]

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### § 110.25 [Reserved]

### § 110.26 General license for the export of nuclear reactor components.

(a) A general license is issued to any person to export to a destination listed in paragraph (b) of this section any nuclear reactor component of U.S. origin described in paragraphs (5) through (9) of Appendix A to this part if—

(1) The component will be used in a light or heavy water-moderated power or research reactor; or

(2) The component is in semi-fabricated form and will be undergoing final fabrication or repair in those countries for either subsequent return to the United States for use in a nuclear power or research reactor in the United States or in one of the destinations listed in paragraph (b) of this section.

(b) The export of nuclear reactor components under the general license established in paragraph (a) of this section is approved to the following destinations:

Austria  
Belgium  
Bulgaria  
Canada  
Cyprus  
Czech Republic  
Denmark  
Estonia  
Finland  
France  
Germany  
Greece  
Hungary  
Indonesia  
Ireland  
Italy  
Japan  
Latvia  
Lithuania  
Luxembourg  
Malta  
Netherlands  
New Zealand  
Philippines  
Poland  
Portugal  
Republic of Korea  
Romania  
Slovak Republic  
Slovenia  
Spain  
Sweden  
Switzerland  
Taiwan  
United Kingdom